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Commissioner for Patents  
POB 1450, Alexandria, VA 22313-1450  
Transmitted to USPTO Central Fax No. 703-872-9306

Re: E. DURET, et al. - Application No.: 09/899,039  
Docket No.: 612.40260X00  
Examiner: R. W. Freid

**SUBMISSION OF DOCUMENTS**

Sir:

Applicant hereby transmits the attached "AMENDMENT" (10 pp),  
"APPENDIX A" (1 pg), submitting a SUBSTITUTE SPECIFICATION (11 pp) and a  
MARKED-UP VERSION OF THE ORIGINAL SPECIFICATION (10 pp) in connection with  
the above-identified application.

**CERTIFICATE OF TRANSMISSION:**

I hereby certify that the attached "Amendment" (10 pp), "APPENDIX A" (1 pg)  
submitting a "Substitute Specification" (11 pp) and a "marked-up version of the  
original Specification" (10 pp) are being **FORMALLY TRANSMITTED** via the USPTO  
Central Fax No. 703-872-9306 on March 23, 2005.

  
Deborah L. Therrien

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612.40260X00  
4689/00/JC

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: E. DURET, et al.  
Application No.: 09/899,039  
Filed: July 6, 2001  
For: METHOD AND SYSTEM INTENDED FOR REAL-TIME  
ESTIMATION OF THE FLOW MODE OF A MULTIPHASE  
FLUID STREAM AT ALL POINTS OF A PIPE  
Art Unit: 2128  
Examiner: R. W. Frejd

**AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

March 23, 2005

Sir:

In response to the first Office Action dated December 23, 2004, please amend the above-identified application as listed below and as set forth on the following pages:

**Amendments to the Specification;**

**Amendments to the Claims;**

**Remarks are included following the amendments; and**

**Appendix A including a Substitute Specification and a marked-up version of the original Specification are attached following the remarks.**